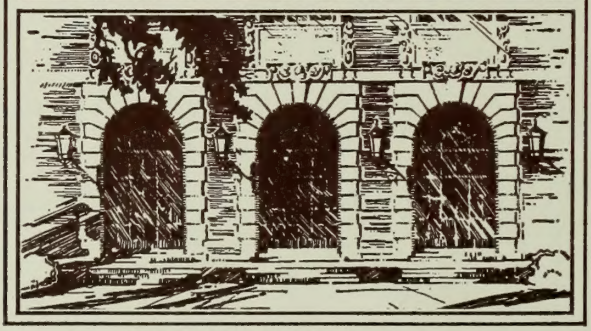
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ENDOCRINOLOGY INDEX

NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES

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EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are numbered consecutively. These numbers are then in the Author and Subject Indexes to enable the to identify references with ease. The complete cit (including index terms) are found but only the three authors are listed. Foreign titles appear original language; these titles have been tran into English in the Subject Section. Following citation are index terms which have been assign describe the contents of the article. Index terms a in capital letters; some of these are accompani subheadings which appear in lower case letters. isks (*) identify the index terms under which a appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations ap ing in the bibliography are listed, followed by ci numbers which correspond to the numbers in the A Section. The Subject Index is included for the venience of the reader who wishes to select ar falling in categories of his own conception. Fo ample, one who is interested in protein binding particular hormone could quickly find whether were any articles dealing with this subject by dete ing if there were any citation numbers common t two headings "protein binding" and the name o specific hormone.

Author Index

The names of all authors are listed, followed by cit numbers which correspond to the numbers in the A Section.

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ENDOCRINOLOGY INDEX

National Institute of Arthritis, Metabolism, and Digestive Diseases

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PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

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I. *Physical and Functional Aspects*

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III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

DEXTROTHYROXINE

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[Monoiodoglucagon: preparation, isolation, identification, radioimmunological control] Nottey JJ, et al. **C R Acad Sci [D] (Paris)** 273:2118-21, 29 Nov 71 **(Fre)**

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BIOSYNTHESIS

[Thyroglobulin] Berthezene F. **Lyon Med** 226:601-5, 28 Nov 71 (34 ref.) (Eng. Abstr.) **(Fre)**

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Thyroid antigens and autoimmunity. Shulman S. **Adv Immunol** 14:85-185, 1971 (287 ref.)

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Lymphocyte stimulation by thyroglobulin after local irradiation of the thyroid gland in man. Einhorn N, et al. **Acta Radiol [Ther] (Stockh)** 10:481-7, Oct 71

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Thyrotrophin-induced aggregation and reorganization into follicles of isolated porcine-thyroid cells. 1. Mechanism of action of thyrotrophin and metabolic properties. Lissitzky S, et al. **Eur J Biochem 24:88-99, 22 Dec 71**

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[Effect of the thyroid gland on delayed hypersensitivity. 2. Effect of experimental hypo- and hyperthyroidism on the development of experimental sensitization to brucella antigen] Zoi WP, et al. **Allerg Immunol (Leipz) 17:31-8, 1971 (Eng. Abstr.) (Ger)**

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Hormonal dependent anaplastic thyroid carcinoma: a case report. Macgregor CA, et al. **Surgery 71:56-9, Jan 72**

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The content of thyroid hormones and other iodinated compounds in thyroid tissue in autoimmune thyroiditis. Lamberg BA, et al. **Acta Endocrinol (Kbh) 69:309-20, Feb 72**

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IV. Thyroid Antagonists and Inhibitors

CARBIMAZOLE

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ANALYSIS

The spectrophotometric determination of some pharmaceutical thiols with diphenylpicrylhydrazyl. Berg BH. **Acta Pharm Suec** 8:453-60, Sep 71

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Indian J Biochem Biophys 8:174-5, Sep 71

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BLOOD

Transplacental transfer and tissue distribution of 14 C-2-thiouracil in the fetus. Quinones JD, et al.
J Nucl Med 13:148-54, Feb 72

CHEMICAL SYNTHESIS

Photoreaction of 4-thiouracil with cytosine. Relation to photoreactions in Escherichia coli transfer ribonucleic acids. Bergstrom DE, et al.
Biochemistry 11:1-9, 4 Jan 72

METABOLISM

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THYROID ANTAGONISTS

The reaction of thiamazole with diphenylpicrylhydrazyl. Berg BH.
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ADMINISTRATION & DOSAGE

The antithyroid activity of allium volatiles in the rat--in vitro studies. Salji JP, et al.
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ADVERSE EFFECTS

[Therapeutic management of hyperthyroidism during pregnancy] Zárate A, et al.
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THERAPEUTIC USE

Current thoughts on management of hyperthyroidism. Hershman JM. **Nebr Med J** 57:44-9, Feb 72

Results of surgical treatment for hyperthyroidism. Caswell HT, et al.
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V. Related Topics

EXOPHTHALMOS

COMPLICATIONS

[Diagnostic test in spontaneous pulsating exophthalmos] Kiselev GA, et al.
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DIAGNOSIS

Proptosis as a manifestation of acute myeloid leukaemia. Jha BK, et al.
Br J Ophthalmol 55:844-7, Dec 71
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ETIOLOGY

Orbital involvement in multiple myeloma. Review of the literature and report of three cases. Rodman HI, et al. **Arch Ophthalmol** 87:30-5, Jan 72
Proptosis as a manifestation of acute myeloid leukaemia. Jha BK, et al.
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EXOPHTHALMOS PRODUCING SUBSTANCE

BLOOD

Endocrine exophthalmos. Havard CW.
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ADMINISTRATION & DOSAGE

Iodine metabolism: preferential renal excretion of iodide derived from triiodothyronine deiodination. Shimoda S, et al. **Science** 175:1266-7, 17 Mar 72

ADVERSE EFFECTS

What are the non-endocrine biologic effects of iodides? Stone OJ. **Med Times** 99:143-9 passim, Dec 71

ANALYSIS

Iodide concentration by human labial salivary glands. Chisholm DM, et al. **Arch Oral Biol** 16:1245-9, Oct 71
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CHEMICAL SYNTHESIS

Preparation and activity of -substituted acetylcholine

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IV. Related Topics

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[Case of intrauterine fetal death in a woman occupationally exposed to pesticides] Trębicka-Kwiatkowska B, et al. **Pol Tyg Lek 26:1862-3, 29 Nov 71 (Eng. Abstr.) (Pol)**

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HYPOPARATHYROIDISM

BLOOD

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[Mechanisms of action of hormones in animals] Iudaev NA, et al.
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ISOLATION & PURIFICATION

Studies on the structure of thyrotropin: its relationship to luteinizing hormone. Pierce JG, et al.
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The action of thyrotropin on thyroid metabolism. Dumont JE. Vitam Horm 29:287-412, 1971 (396 ref.)

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Cytophysiology of the teleost pituitary. Sage M, et al.
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THYROTROPIN RELEASING FACTOR

The hypothalamic hypophysiotropic thyrotropin-releasing factor. Guillemin R, et al.
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Steroid hormone-binding proteins in blood plasma. Burton RM, et al.
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TROPHOBLASTIC TUMOR

[Current therapeutic trends in neoplastic pathology of the trophoblast. Notes on the literature] Sagone I, et al.
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VITAMIN D

METABOLISM

The role of vitamin D and its relationship to

parathyroid hormone and calcitonin. DeLuca HF. **Recent Prog Horm Res 27:479-516, 1971 (83 ref.)**

METHOD SECTION

This section is meant to be an alerting device for articles which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the subject index or the subject section (particularly the subheadings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation & purificatiom, and urine).

ACTIVATION ANALYSIS

Application of an iodide-specific resin to the determination of iodine in biological fluids by activation analysis. Heurtebise M, et al.
Anal Chem 43:1438-41, Sep 71
ACTIVATION ANALYSIS/ CHROMATOGRAPHY/ *IODINE, analysis/ IODINE, blood/ IODINE, urine/ IODINE ISOTOPES/ ION EXCHANGE RESINS/ METHODS/ PROTEIN-BOUND IODINE TEST/ SALIVA, analysis

ASCORBIC ACID

ANALYSIS

[Reaction of hypophyseal-adrenal system of the rat fetus to stress] Skebel'skaia IuB.
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AUTOANALYSIS

A rapid semi-automated method for the determination of urinary oestriol in late pregnancy by gas-liquid chromatography. Smith PD, et al.
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ACETIC ACIDS/ ACYLATION/ ANENCEPHALUS, urine/ ANHYDRIDES/ AUTOANALYSIS/ CATHARTICS/ CHROMATOGRAPHY, GAS/ COMPUTERS, DIGITAL/ DRUG STABILITY/ ESTRIOL, isolation & purification/ *ESTRIOL, urine/ FEMALE/ GESTATIONAL AGE/ GLUCOSE/ HEAT/ HUMAN/ HYDROGEN-ION CONCENTRATION/ MALE/ MATHEMATICS/ METHODS/ PHENOLPHTHALEINS/ PREGNANCY/ PYRIDINES/ TIME FACTORS

BIOLOGICAL ASSAY

Countercurrent distribution as a tool for purification of hypothalamic hormones on a preparative scale. Schally AV, et al. **Anal Chem 43:1527-9, Sep 71**
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY/ *COUNTERCURRENT DISTRIBUTION/ FSH, isolation & purification/ LH, isolation & purification/ METHODS/ *PITUITARY HORMONES, isolation & purification/ RATS/ SOLVENTS/ SWINE/ THYROTROPIN RELEASING FACTOR, isolation & purification

Comparative MSH release-inhibiting activities of tocinoic acid (the ring of oxytocin), and L-pro-L-leu-gly-NH 2 (the side chain of oxytocin). Bower A, et al.
Biochem Biophys Res Commun 45:1185-91, 3 Dec 71
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHEMISTRY/ FROGS/ HYPOTHALAMUS, metabolism/ METHODS/ MSH, analysis/ *MSH, antagonists & inhibitors/ *OXYTOCIN, pharmacodynamics/ PEPTIDES, pharmacodynamics/ PITUITARY GLAND, drug effects/ RATS/ SKIN/ STRUCTURE ACTIVITY RELATIONSHIP

Measurement of renin activity, concentration and substrate in rat plasma by radioimmunoassay of angiotensin I. Menard J, et al.
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*ANGIOTENSIN, blood/ ANGIOTENSIN, metabolism/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ COMPARATIVE STUDY/ DIURESIS/ FUROSEMIDE, pharmacodynamics/ GAMMA GLOBULIN/ HYDROGEN-ION CONCENTRATION/ IMMUNE SERUMS/ IODINE ISOTOPES/ ISOLEUCINE/ KIDNEY, physiology/ MALE/ METHODS/ NEPHRECTOMY/ PROTEIN BINDING/ RABBITS/ *RADIOIMMUNOASSAY/ RATS/ *RENIN, blood/ RENIN, metabolism/ SERUM ALBUMIN, BOVINE/ WATER DEPRIVATION

Application of potentiating effect of d-INPEA on oxytocin-evoked responses in the isolated rat uterus to bioassay of oxytocin. Saini RK, et al.
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Radioligand-receptor assay of luteinizing hormone and chorionic gonadotropin. Catt KJ, et al.
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ANIMAL EXPERIMENTS/ *BINDING SITES/ BIOLOGICAL ASSAY/ CATTLE/ CENTRIFUGATION/ FEMALE/ *GONADOTROPINS, CHORIONIC, analysis/ GONADOTROPINS, CHORIONIC, metabolism/ HUMAN/ IN VITRO/ IODINE ISOTOPES/ LEYDIG CELLS, metabolism/ *LH, analysis/ LH, metabolism/ MALE/ METHODS/ MICROSCOPY, ELECTRON/ MONKEYS/ OVARY, analysis/ OVARY, metabolism/ RADIOAUTOGRAPHY/ RATS/ SHEEP/ *TESTIS, analysis/ TESTIS, cytology/ TESTIS, metabolism

Characterization of human chorionic gonadotropin and luteinizing hormone contained in urinary extract by polyacrylamide gel electrophoresis. Kaplan GN, et al.
J Clin Endocrinol Metab 34:370-4, Feb 72
ANIMAL EXPERIMENTS/ ANTIGENS/ BIOLOGICAL ASSAY/ BUFFERS/

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Fractionation of immunoreactive human chorionic gonadotropin and luteinizing hormone by isoelectric focusing in polyacrylamide gel. Maffezzoli RD, et al. **J Clin Endocrinol Metab** 34:361-9, Feb 72
ANIMAL EXPERIMENTS/ ANTIGENS/ BIOLOGICAL ASSAY/ *CHORIOCARCINOMA, urine/ COMPUTERS/ *ELECTROPHORESIS/ *ELECTROPHORESIS, DISK/ FEMALE/ *GONADOTROPINS, CHORIONIC, urine/ HUMAN/ ISOELECTRIC FOCUSING/ *LH, urine/ MALE/ MENOPAUSE/ METHODS/ MICE/ ORGAN WEIGHT/ PREGNANCY/ PUERPERIUM/ RADIOIMMUNOASSAY/ TERATOID TUMOR, urine/ UTERUS, drug effects

Physical characterization by polyacrylamide gel electrophoresis of human follicle stimulating hormone from urinary extracts of children, men, and pre- and postmenopausal women. Maffezzoli RD, et al. **J Clin Endocrinol Metab** 34:375-9, Feb 72
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Luteinizing hormone releasing factor activity in peripheral blood from women during the mid-cycle luteinizing hormone ovulatory surge. Malacara JM, et al. **J Clin Endocrinol Metab** 34:271-8, Feb 72
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Bioassay of oxytocin by changes in light penetration through rat mammary gland tissue in vitro. Bílek J, et al. **J Endocrinol** 51:771-80, Dec 71
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The extraction of prostaglandin E 1 from human plasma. Willman EA. **Life Sci [I]** 10:1181-91, 15 Oct 71
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Studies on the structure of thyrotropin: its relationship to luteinizing hormone. Pierce JG, et al. **Recent Prog Horm Res** 27:165-212, 1971 (101 ref.)
AMINO ACID SEQUENCE/ ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CATTLE/ CHEMISTRY/ CHROMATOGRAPHY, ION EXCHANGE/ COUNTERCURRENT DISTRIBUTION/ ELECTROPHORESIS/ FSH, classification/ FSH, isolation & purification/ GEL DIFFUSION TESTS/ GEL FILTRATION/ GONADOTROPINS, CHORIONIC, analysis/ HUMAN/ IMMUNE SERUMS, classification/ IMMUNOELECTROPHORESIS/ LH, analysis/ LH, classification/ *LH, isolation & purification/ METHODS/ MOLECULAR WEIGHT/ RADIOIMMUNOASSAY/ REVIEW/ THYROTROPIN, analysis/ THYROTROPIN, classification/ *THYROTROPIN, isolation & purification

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Radioligand-receptor assay of luteinizing hormone and chorionic gonadotropin. Catt KJ, et al. **J Clin Endocrinol Metab** 34:123-32, Jan 72
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CENTRIFUGATION, DENSITY GRADIENT

Molecular parameters involved in the estrogenicity of mestranol and ethynylestradiol. Hahn DW, et al. **Proc Soc Exp Biol Med** 137:1180-5, Sep 71
ANIMAL EXPERIMENTS/ BINDING SITES/ CASTRATION/ CENTRIFUGATION, DENSITY GRADIENT/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ DRUG INTERACTIONS/ ESTRADIOL, metabolism/ ESTRADIOL, pharmacodynamics/ ETHINYL ESTRADIOL, isolation & purification/ *ETHINYL ESTRADIOL, pharmacodynamics/ FEMALE/ MESTRANOL, isolation & purification/ *MESTRANOL, pharmacodynamics/ METHODS/ MICE/ OVARY, physiology/ RABBITS/ RNA, analysis/ RNA, biosynthesis/ TRITIUM/ URIDINE, metabolism/ UTERUS, analysis/ UTERUS, drug effects/ UTERUS, metabolism

CHEMISTRY

A gas-liquid chromatographic assay of melatonin and indoleamines using heptafluorobutyryl derivatives. Degen PH, et al. **Anal Biochem** 45:634-44, Feb 72
*AMINES, analysis/ ANIMAL EXPERIMENTS/ BUTYRATES, chem synthesis/ CHEMISTRY/ *CHROMATOGRAPHY, GAS/ FLUORINE/ FLUORINE, chem synthesis/ IMIDAZOLES/ *INDOLES, analysis/ MASS SPECTRUM ANALYSIS/ *MELATONIN, analysis/ METHODS/ PINEAL BODY, analysis/ RATS

Comparative MSH release-inhibiting activities of tocinoic acid (the ring of oxytocin), and L-pro-L-leu-gly-NH 2 (the side chain of oxytocin). Bower A, et al. **Biochem Biophys Res Commun** 45:1185-91, 3 Dec 71
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The preparation and specificity of antibody to thyrotropin releasing hormone. Bassiri RM, et al. **Endocrinology** 90:722-7, Mar 72
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Datiscoside, a novel antileukemic cucurbitacin glycoside from Datisca glomerata. Kupchan SM, et al. **J Am Chem Soc** 94:1353-4, 23 Feb 72
ANIMAL EXPERIMENTS/ *ANTINEOPLASTIC AGENTS, isolation & purification/ CHEMISTRY/ *CHOLESTANES, isolation & purification/ CRYSTALLOGRAPHY/ *GLYCOSIDES, isolation & purification/ *HERBS, analysis/ *LEUKEMIA, EXPERIMENTAL, drug therapy/ METHODS/ MICE/ PLANT EXTRACTS, therapeutic use/ RATS/ X-RAY DIFFRACTION

Chromatographic separation of ovarian dermoid cyst lipids and prostaglandins. Singh EJ, et al. **J Chromatogr** 63:321-7, 23 Dec 71
CHEMISTRY/ CHOLESTEROL, analysis/ *CHROMATOGRAPHY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, PAPER/ *DERMOID CYST, metabolism/ ESTERS, analysis/ FATTY ACIDS, analysis/ FEMALE/ FLUORESCENCE/ GELS/ GLASS/ GLYCERIDES, analysis/ HUMAN/ HYDROCARBONS, analysis/ *LIPIDS, isolation & purification/ METHODS/ *OVARIAN CYSTS, metabolism/ PHOSPHOLIPIDS, analysis/ *PROSTAGLANDINS, isolation & purification/ SILICA/ SPECTROPHOTOMETRY/ STEROLS, analysis/ TEMPERATURE/ TRIGLYCERIDES, analysis

Characterization of human chorionic gonadotropin and luteinizing hormone contained in urinary extract by polyacrylamide gel electrophoresis. Kaplan GN, et al. **J Clin Endocrinol Metab** 34:370-4, Feb 72
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Physical characterization by polyacrylamide gel electrophoresis of human follicle stimulating hormone from urinary extracts of children, men, and pre- and postmenopausal women. Maffezzoli RD, et al. **J Clin Endocrinol Metab** 34:375-9, Feb 72
ANIMAL EXPERIMENTS/ ANTIGENS/ BIOLOGICAL ASSAY/ CHEMISTRY/ CHILD/ CHROMATOGRAPHY, ION EXCHANGE/ *ELECTROPHORESIS, DISK/ FEMALE/ FSH, analysis/ *FSH, urine/ HUMAN/ MALE/ MENOPAUSE/ METHODS/ MICE/ MOLECULAR WEIGHT/ ORGAN WEIGHT/ PITUITARY GLAND, analysis/ RADIOIMMUNOASSAY/ TIME FACTORS/ UTERUS, drug effects

Analysis of fluorescence excitation peak ratios for the cellular identification of noradrenaline, dopamine or their mixtures. Björklund A, et al. **J Histochem Cytochem** 20:56-64, Jan 72
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Studies on the structure of thyrotropin: its relationship to luteinizing hormone. Pierce JG, et al. **Recent Prog Horm Res** 27:165-212, 1971 (101 ref.)
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A technique for the assay of 17-hydroxyprogesterone (17-hydroxy-4-pregnene-3,20-dione) in serum using celite column chromatography and competitive protein binding. Stone S, et al. **Steroids** 18:161-73, Aug 71
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CHROMATOGRAPHY

Application of an iodide-specific resin to the determination of iodine in biological fluids by activation analysis. Heurtebise M, et al. **Anal Chem** 43:1438-41, Sep 71
ACTIVATION ANALYSIS/ CHROMATOGRAPHY/ *IODINE, analysis/ IODINE, blood/ IODINE, urine/ IODINE ISOTOPES/ ION EXCHANGE RESINS/ METHODS/ PROTEIN-BOUND IODINE TEST/ SALIVA, analysis

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Dis Nerv Syst

4542. Clinical neuropathological conference.
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4550. Discussion. Catecholamines and heart failure.
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Lakartidningen

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4553. Ovulation symptoms and avoidance of concept
Lancet 1:298-9, 5 Feb 72
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ESTROGENS, urine/ FEMALE/ HUMAN/ LH, blood/ *OVULATION/ PREGNANEDIOL, urine

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ENDOCRINOLOGY INDEX

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EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are numbered consecutively. These numbers are t in the Author and Subject Indexes to enable th to identify references with ease. The complete a (including index terms) are found but only three authors are listed. Foreign titles appe original language; these titles have been tr into English in the Subject Section. Follow citation are index terms which have been as describe the contents of the article. Index term in capital letters; some of these are accomp subheadings which appear in lower case letter isks (*) identify the index terms under whic appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citation ing in the bibliography are listed, followed b numbers which correspond to the numbers in t Section. The Subject Index is included for venience of the reader who wishes to selec falling in categories of his own conception. ample, one who is interested in protein bin particular hormone could quickly find whet were any articles dealing with this subject by ing if there were any citation numbers comm two headings "protein bindin" and the na specific hormone.

Author Index

The names of all authors are listed, followed numbers which correspond to the numbers in t Section.

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ENDOCRINOLOGY INDEX

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PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

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IV. Thyroid Antagonists and Inhibitors

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Intracellular distribution of endogenous inhibitors of dopamine -hydroxylase in bovine adrenal medulla. Kuzuya H, et al. **Biochem Pharmacol** 21:740-2, 1 Mar 72

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II. Disorders of the Gonads

ARRHENOBLASTOMA

Arrhenoblastoma: three case reports. Greenblatt RB, et al. **Obstet Gynecol 39:567-76, Apr 72**

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Plasma steroids in two subjects with ovarian androgen-producing tumors arrhenoblastoma and gynandroblastoma. Laatikainen T, et al. **J Clin Endocrinol Metab 34:580-5, Mar 72**

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METABOLISM

Cancer, F.D.P., and radiotherapy. Astedt B, et al. **Br Med J 2:47, 1 Apr 72**

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Plasma steroids in two subjects with ovarian androgen-producing tumors arrhenoblastoma and gynandroblastoma. Laatikainen T, et al.
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11. Disorders of the Placenta

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PITUITARY GLAND

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The calcitonin story. A review of experimental and clinical aspects. Shah SS, et al.
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METABOLISM

Metabolic bone disease in children. Steendijk R.
Clin Orthop 77:247-75, 1971 (180 ref.)

METHOD SECTION

This section is meant to be an alerting device for articl which describe: 1) new methods or techniques, 2) modifications of existing methods or 3) comparisons of different methods. For methods on a particular substance or for a specific type of method, see the subject index or the subject section (particularly the sub-headings: analysis, blood, cerebrospinal fluid, chemical synthesis, isolation & purification, and urine).

AUTOANALYSIS

Clinical application and mechanization of a simple and inexpensive method for estimating T 3 uptake in serum. Walther WW. **J Clin Pathol** 25:155-8, Feb 72
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A semi-automated serum thyroxine assay via the competitive binding technique. Griffiths WC, et al. **Clin Biochem** 5:13-8, Mar 72
AUTOANALYSIS, instrumentation/ COMPARATIVE STUDY/ DIALYSIS/ HUMAN/ IODINE ISOTOPES/ KINETICS/ METHODS/ PROTEIN BINDING/ *THYROXINE, blood

BIOLOGICAL ASSAY

Diagnosis of congenital adrenal hyperplasia by measurement of plasma 17-hydroxyprogesterone. Barnes ND, et al. **Arch Dis Child** 47:62-5, Feb 72
ADRENAL GLANDS, drug effects/ ADRENOGENITAL SYNDROME, blood/ *ADRENOGENITAL SYNDROME, diagnosis/ BIOLOGICAL ASSAY/ CHILD, PRESCHOOL/ CORTICOTROPIN, pharmacodynamics/ CORTISONE, therapeutic use/ FEMALE/ HUMAN/ HYDROXYLASES, metabolism/ *HYDROXYPROGESTERONE, blood/ INFANT/ INFANT, NEWBORN/ 17-KETOSTEROIDS, analysis/ MALE/ METHODS/ PREGNANETRIOL, analysis/ PROTEIN BINDING

Mass spectral identification of melatonin in blood. Pelham RW, et al. **Biochem Biophys Res Commun** 46:1236-41, 16 Feb 72
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Serum follicle-stimulating hormone in sheep as measured by radioimmunoassay. L'Hermite M, et al. **Biol Reprod** 6:325-32, Apr 72
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Biological studies on the relatedness of subunits of human follicle stimulating hormone and chorionic gonadotropin. Reichert LE Jr. **Endocrinology** 90:1119-22, Apr 72
BIOLOGICAL ASSAY/ CHEMISTRY/ *FSH/ FSH, analysis/ GEL FILTRATION/ *GONADOTROPINS, CHORIONIC/ HUMAN/ METHODS

A comparison of bioassay and radioimmunoassay for plasma corticotropin in man. Matsuyama H, et al. **J Clin Endocrinol Metab** 34:713-7, Apr 72
ADDISON'S DISEASE, blood/ ADRENAL GLANDS, physiology/ ADRENALECTOMY/ ANIMAL EXPERIMENTS/ ANTIGENS/ *BIOLOGICAL ASSAY/ COMPARATIVE STUDY/ *CORTICOTROPIN, blood/ CUSHING'S SYNDROME, blood/ GUINEA PIGS/ HEART SURGERY/ HUMAN/ IMMUNE SERUMS/ IODINE ISOTOPES/ METHODS/ METYRAPONE, pharmacodynamics/ *RADIOIMMUNOASSAY

Standardization and evaluation of a sensitive and convenient assay for melanocyte-stimulating hormone using Anolis skin in vitro. Björklund A, et al. **J Endocrinol** 53:161-9, Apr 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ COLOR/ COSTS AND COST ANALYSIS/ IN VITRO/ *LIZARDS/ METHODS/ *MSH, analysis/ MSH, blood/ PHOTOMETRY/ PITUITARY GLAND, analysis/ RATS/ *SKIN, drug effects/ TIME FACTORS

Partial purification of dog pituitary glycoprotein hormones. Hartree AS, et al. **J Endocrinol** 52:403-4, Feb 72
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Bioassay and radioimmunoassay of vasopressin in relation to water metabolism. Forsling ML. **Proc R Soc Med** 64:1069, Oct 71
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Bone density in athletes. Nilsson BE, et al. **Clin Orthop** 77:179-82, 1971
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CENTRIFUGATION

Radioimmunoassay of oestrone and oestradiol in human plasma. Emment Y, et al. **Acta Endocrinol (Kbh)** 69:567-82, Mar 72
BARIUM, pharmacodynamics/ CENTRIFUGATION/ CHARCOAL/ CHROMATOGRAPHY/ DEXTRAN/ *ESTRADIOL, blood/ ESTRIOL, blood/

•ESTRONE, blood/ FEMALE/ HUMAN/ IMMUNE SERUMS, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ MALE/ MENSTRUATION/ METHODS/ •RADIOIMMUNOASSAY/ STATISTICS/ TRITIUM

Rat and mouse brain corticosterone. Butte JC, et al. **Endocrinology** 90:1091-100, Apr 72
AMYGDALOID BODY, analysis/ ANIMAL EXPERIMENTS/ •BRAIN CHEMISTRY/ BRAIN STEM, analysis/ CENTRIFUGATION/ CENTRIFUGATION, DENSITY GRADIENT/ CEREBELLUM, analysis/ CHROMATOGRAPHY, THIN LAYER/ •CORTICOSTERONE, analysis/ CORTICOSTERONE, blood/ CORTICOTROPIN, pharmacodynamics/ HYPOTHALAMUS, analysis/ INDICATOR DILUTION TECHNICS/ METHODS/ MICE/ PERFUSION/ PITUITARY GLAND, analysis/ RATS/ STRESS, metabolism/ SUCROSE/ TRITIUM

CENTRIFUGATION, DENSITY GRADIENT

Rat and mouse brain corticosterone. Butte JC, et al. **Endocrinology** 90:1091-100, Apr 72
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Differential sulfate ester solvolysis. Hurwitz AR. **Anal Biochem** 46:338-41, Mar 72
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Measurements of triiodothyronine and thyroxine in human serum by gas-liquid chromatography. Nihei NN, et al. **Anal Biochem** 43:433-45, Oct 71
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Biological studies on the relatedness of subunits of human follicle stimulating hormone and chorionic gonadotropin. Reichert LE Jr. **Endocrinology** 90:1119-22, Apr 72
BIOLOGICAL ASSAY/ CHEMISTRY/ •FSH/ FSH, analysis/ GEL FILTRATION/ •GONADOTROPINS, CHORIONIC/ HUMAN/ METHODS

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Radioimmunoassay of oestrone and oestradiol in human plasma. Emment Y, et al. **Acta Endocrinol (Kbh)** 69:567-82, Mar 72
BARIUM, pharmacodynamics/ CENTRIFUGATION/ CHARCOAL/ CHROMATOGRAPHY/ DEXTRAN/ •ESTRADIOL, blood/ ESTRIOL, blood/ •ESTRONE, blood/ FEMALE/ HUMAN/ IMMUNE SERUMS, pharmacodynamics/ INJECTIONS, SUBCUTANEOUS/ MALE/ MENSTRUATION/ METHODS/ •RADIOIMMUNOASSAY/ STATISTICS/ TRITIUM

Single luteal phase serum progesterone assay as an indicator of ovulation. Israel R, et al. **Am J Obstet Gynecol** 112:1043-6, 15 Apr 72
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Procedure for simultaneous determination of secretion rates of deoxycorticosterone and corticosterone by double-isotope derivative assay. Seth K, et al. **Can J Biochem** 50:136-41, Feb 72
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3-methoxy-4-hydroxyphenylalanine (3-O-methyldopa) in plasma during oral L-dopa therapy of patients with Parkinson's disease. Sharpless NS, et al. **Clin Chim Acta** 37:359-69, Mar 72
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Acute effect of gonadotrophins on the secretion of progestins by the rat ovary. Ichikawa S, et al. **Endocrinology** 90:1358-62, May 72
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Progesterone in uterus and plasma. V. An assay of the progesterone cytosol receptor of the guinea pig uterus. Milgrom E, et al. **Endocrinology** 90:1064-70, Apr 72
ANIMAL EXPERIMENTS/ BINDING SITES/ CHROMATOGRAPHY/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, THIN LAYER/ DIALYSIS/ FEMALE/ GUINEA PIGS/ INTESTINES, analysis/ KIDNEY, analysis/ METHODS/ MUSCLES, analysis/ *PROGESTERONE, analysis/ PROGESTERONE, blood/ PROGESTERONE, pharmacodynamics/ PROTEIN BINDING/ *RECEPTORS, DRUG/ TIME FACTORS/ TRITIUM/ *UTERUS, analysis

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Analysis of corticosteroid creams and ointments by high pressure liquid chromatography. Mollica JA, et al. **J Pharm Sci** 61:444-7, Mar 72
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[Quantitative determination of triiodothyronine i human serum] Pineda G, et al. **Rev Med Chil** 100:175-8, Feb 72 (Eng. Abstr.) (Spa
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CHROMATOGRAPHY, DEAE-CELLULOSE

Determination of the molecular weight of ovi luteinizing hormone (LH) and of its two subunits b sodium dodecyl sulfate (SDS) polyacrylamide g electrophoresis. Gospodarowicz D. **Endocrinology** 90:1101-4, Apr 72
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Isolation of prolactin from the "granular fraction" pituitary-tumour transplants: improved method f the isolation of mouse and rat prolactin for radioimmunoassay. Kwa HG, et al. **Eur J Cancer** 8:33-8, Feb 72
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Partial purification of dog pituitary glycoprot hormones. Hartree AS, et al. **J Endocrinol** 52:403-4, Feb 72
ANIMAL EXPERIMENTS/ BIOLOGICAL ASSAY/ CHROMATOGRAPHY, DEAE-CELLULOSE/ DOGS/ *FSH, isolation purification/ GEL FILTRATION/ GLYCOPROTEINS, analysis/ *LH, isolation & purification/ METHODS/ *PITUITARY GLAN analysis/ *THYROTROPIN, isolation & purification

CHROMATOGRAPHY, GAS

Measurements of triiodothyronine and thyroxine human serum by gas-liquid chromatography. N NN, et al. **Anal Biochem** 43:433-45, Oct 71
ACYLATION/ ADULT/ CHEMISTRY/ CHROMATOGRAPHY, GAS/ CHROMATOGRAPHY, ION EXCHANGE/ CHROMATOGRAPHY, PAPER/ FEMALE/ HUMAN/ HYPERTHYROIDISM, blood/ HYPOTHYROIDISM, blood/ IODINE ISOTOPES/ MALE/ METHODS/ METHYLATION/ MIDDLE AGE/ THYROXINE, blood/ THYROXINE, isolation & purification/ *TRIIODOTHYRONINE, blood/ TRIIODOTHYRONINE, isolation & purificat

A chromatographic method for aldosterone determination in human urine. Leung FY, et al. **Clin Chim Acta** 37:423-32, Mar 72
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